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IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF :
BARBARA F. BARENBURG ET AL : GROUP ART UNIT: 2829
SERIAL NO: 09/911,495 :
FILED: JULY 25, 2001 : EXAMINER: GEYER, S.B.
FOR: FABRICATION OF AN ARRAYED:
WAVEGUIDE GRATING DEVICE

RECEIVED
OCT 21 2002
TECHNOLOGY CENTER 2800

AMENDMENT

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Responsive to the Official Action dated April 24, 2002, Applicants respectfully
request reconsideration in view of the following amendment and remarks:

IN THE CLAIMS

Please amend Claims 1, 10, 11, 12, 13, 22, 23 and 24 as follows:

--1. (Amended) A semiconductor structure comprising:

a monocrystalline silicon substrate;

an amorphous oxide material overlying the monocrystalline silicon substrate;

a monocrystalline perovskite oxide material overlying the amorphous oxide material;

a monocrystalline compound semiconductor material overlying the monocrystalline
perovskite oxide material; and

an arrayed wavelength grating device overlying the monocrystalline silicon